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AES standard for audio applications of networks - Open Control Architecture - Part 1: Framework

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AES standard for audio applications of networks - Open Control Architecture - Part 1: Framework

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Abstract

AES70 defines a scalable control-protocol architecture for professional media networks. AES70 addresses device control and monitoring only; it does not define standards for streaming media transport. However, the Open Control Architecture (AES70) is intended to cooperate with various media transport architectures.

AES70 is divided into a number of separate parts. This Part 1 describes the models and mechanisms of the AES70 Open Control Architecture. These models and mechanisms together form the AES70 Framework. This document should be read together with Part 2, Class Structure and Part 3, TCP/IP communications protocol.

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Foreword

This foreword is not part of this document, AES70, *AES standard for audio applications of networks - Open Control Architecture - Part 1: Framework*.

This document is a member of the three-document set that defines AES70, the Open Control Architecture (OCA). AES70-11 defines the architectural framework for AES70. Other parts define the control repertoire and the specific protocols used.

The development project for this standard was originally proposed by the Open Control Architecture Alliance (OCA Alliance) and initiated in October 2012 as project X210 to be developed in task group SC-02-12-L. The OCA Alliance also contributed to the task-group working draft and, as a result, there are various references to "OCA" in the protocol, in order to maintain compatibility with implementations already in the field.

The members of the writing group that developed this document in draft are: J. Berryman, H. Hamamatsu, T. Head, S. Jones, M. Lave, N. O'Neill, M. Renz, M. Smaak, G. van Beuningen, S. van Tienen, E. Wetzell.

J. Berryman led the task group.

Richard Foss
Chair, working group SC-02-12
2015-11-12

Foreword to the 2018 edition

The members of the writing group that drafted this version of the document are: F. Bergholtz, J. Berryman, A. Gödeke, J. Grant, A. Kuzub, M. Lave, G. Linis, S. Price, M. Renz, A. Rosen, S. Scott, G. Shay, P. Stevens, P. Treleaven, S. van Tienen, and E. Wetzell. As well, the writing group was materially assisted by contributions from T. de Brouwer, B. Escalante, S. Jones, M. Smaak, and M. Versteeg.

J. Berryman led the writing group.

Morten Lave
Chair, working group SC-02-12
2018-12-20

Note on normative language

In AES standards documents, sentences containing the word "shall" are requirements for compliance with the document. Sentences containing the verb "should" are strong suggestions (recommendations). Sentences giving permission use the verb "may". Sentences expressing a possibility use the verb "can".